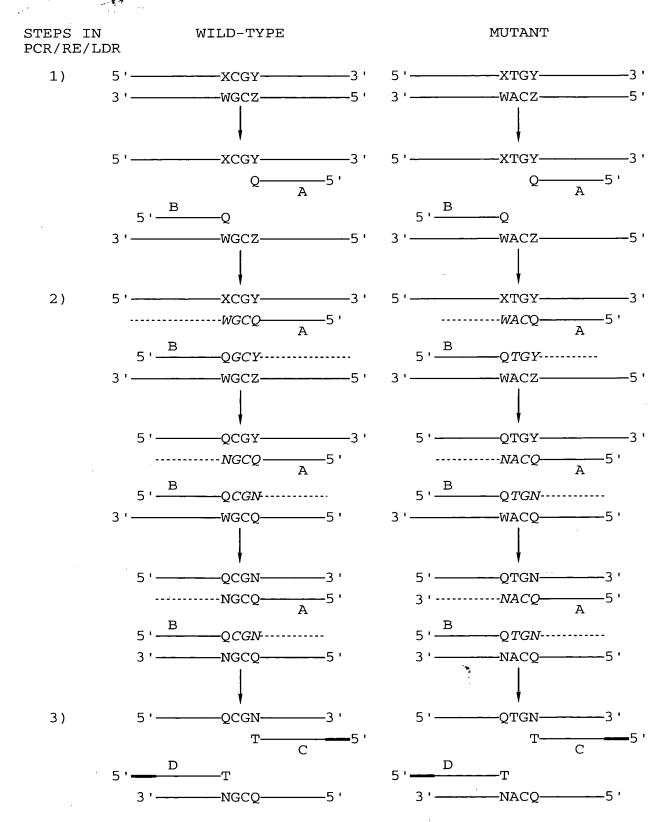


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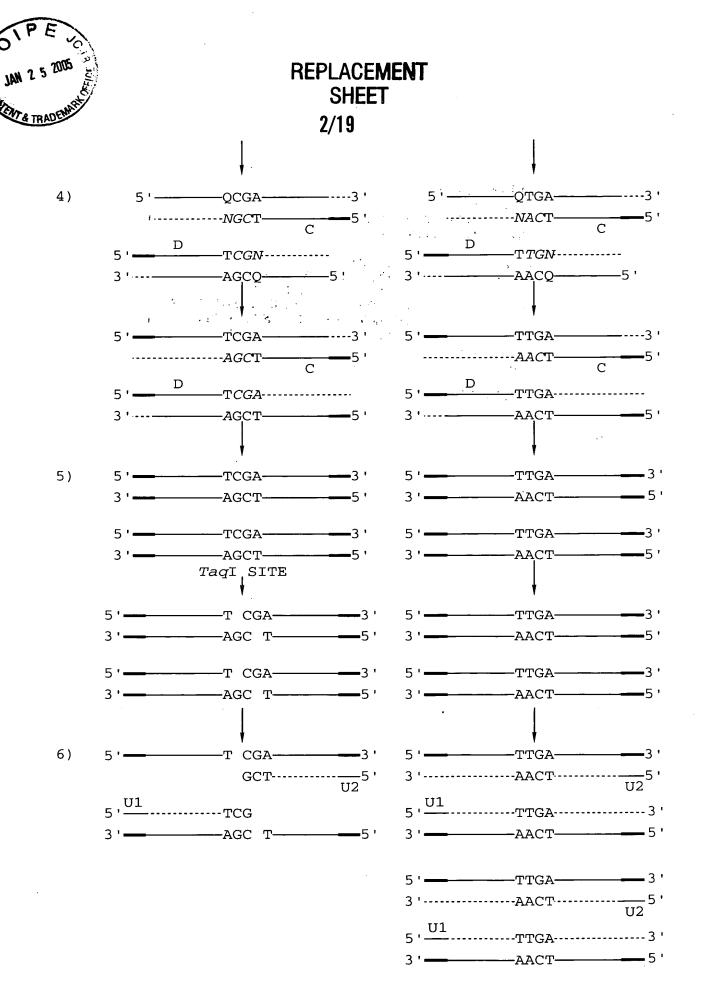


FIG. 1B



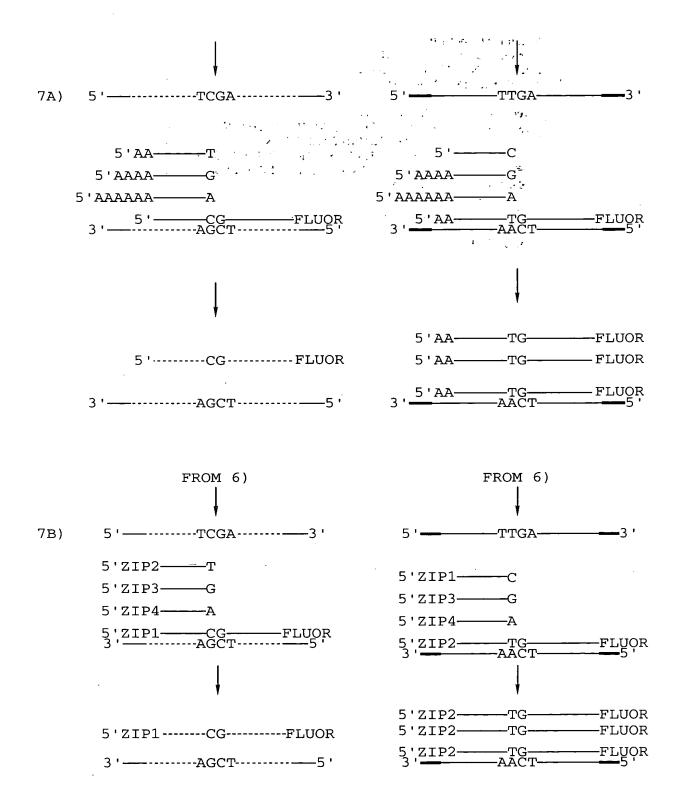


FIG. 1C



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5'-----FL

5 ' AAAAA G

5 'G.----FL

5 ' AA———T

5'------

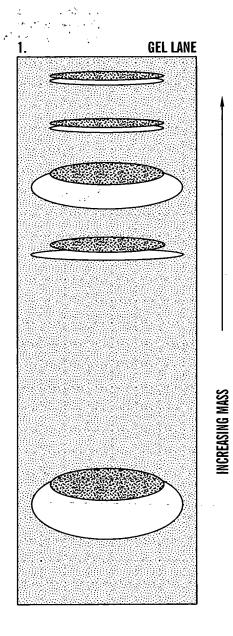
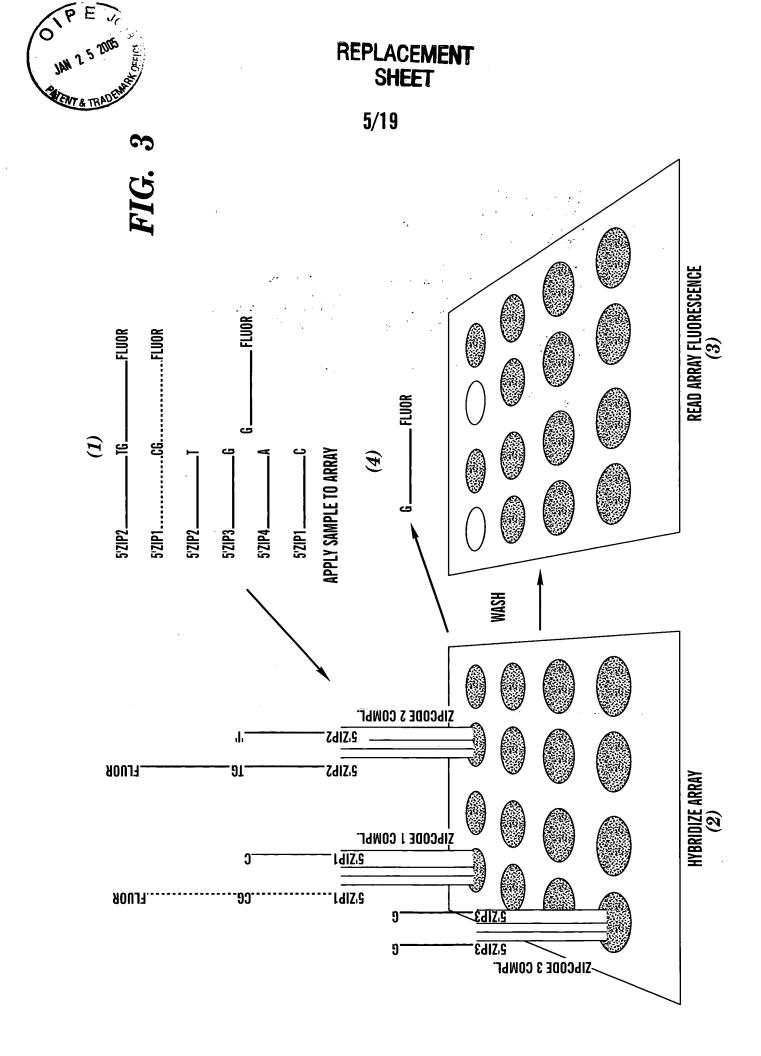


FIG. 2





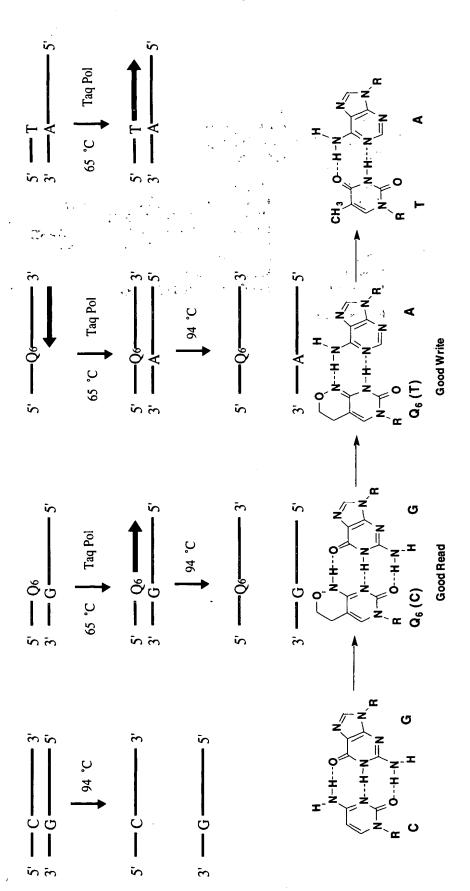


FIG. 4



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Q 5  $Q_2$ **Q** H<sub>2</sub>N<sub>2</sub>H

RO

codon248

ATG ည္ပ မ္ပ ATG

ACG CGT

CAT CAT

GTT GII

CGA CGA

P53zip248

P53-248X

ACG

GGA GGA

CII CIL

Ztop

PRIMERS

ATG AAX-pol င္ဟ ည္တ ATG 

AGC

TTG TAC ATG 9 ე<u>ც</u> 9 ည္ပ TAC ATG

AGG JCC

g 당

50 bp synthetic

duplex DNA

p53zip248R p53-248XR

Zbot

AAC

뜅

ည္ပု

ATC ATC

TAG TAG

TCC GGG

X-lod

999

TAG TAG TGT 5'

7GG

GAG

TAG ATC

999

JCC

CTC ACC

ည္ဟ

AGG

GCT TAG TAG TGC ACC

G

AAC

TCA 999 C ACC GCT

TCA

AAC

G

codon248

ATG AAT ATG 266 ეც ე ည္ဟ 266 ATG ATG <u> 1</u>30 7<u>3</u>5 JCC JCC

T TCT

GTT CAT ACG CGT

CGA

GGA

CII

P53zip248T

P53-2480<sub>N</sub>

CGA GTT CAT ACG C

GGA

CLL

PRIMERS

TTG <u>GC</u>C 999

3' CA

50 bp synthetic

duplex DNA

AAC ATG

CGG AGG

AGC AGG

5' GT

p53-248  $Q_N$ R p53zip248TR

G

TCA AAC TCA AAC

ACC GCT GGG

TAG

999

TAG

999

 $pol \leftarrow Q_N$  TCC

TAG TAG TGT 5'

<u> 1</u>66

GAG

TAG

ATC

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- 1	•		
- }		•	

DISCRIMINATION

LDR PRIMERS

			ACC.	
•	lock	•	TGA	•
	AT-bloc	=	TAG	
	ATC	=	TAG	٠
. •	ACC.	<u> </u>	TGG	
	CTC	=	GAG	
	ATC	=	TAG	
	ညည	=	999	
	AGG	_	TCC	
-	99	=	NCC	
		$\equiv$	TTG	
	•	=	TAC	
-		$\equiv$	ഉാ	
		$\equiv$	900	
		=	TAC	
		<u>—</u>	ACG	
			AGG	
•		J)	GCA	
		stran	TGC	,
		3' (- strand)	GTA TGC GCA	
	rn.	3-	•	
	P53LDR248PGG		CONVERSION	PRODUCTS

AAC

ATG

299

ATG GGC

ATG

ည္ပမ္

ATG ATG

႘ၟ ႘

ATG

ည္ပ ည

ည္ပမ္မ

႘

F-AAAA

ATG

ည္ပမ

F-AAAAA GC ATG GGC

P53LDR248FCA

P53LDR248FCG P53LDR248FCT P53LDR248FCC



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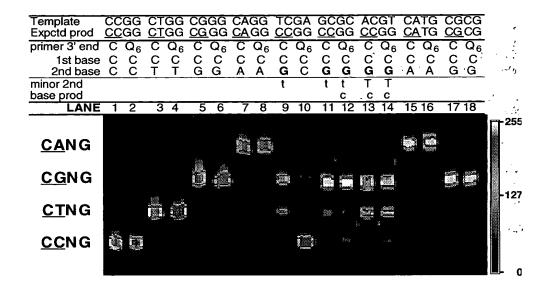


FIG. 7A

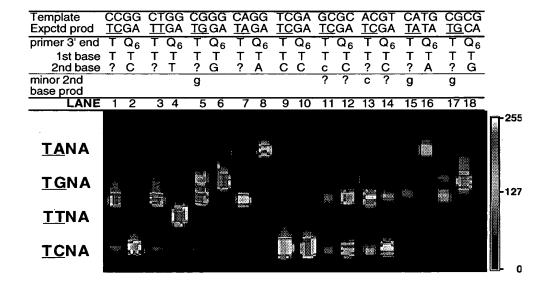


FIG. 7B



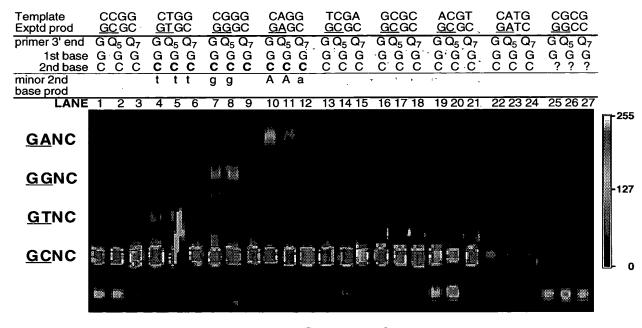


FIG. 8A

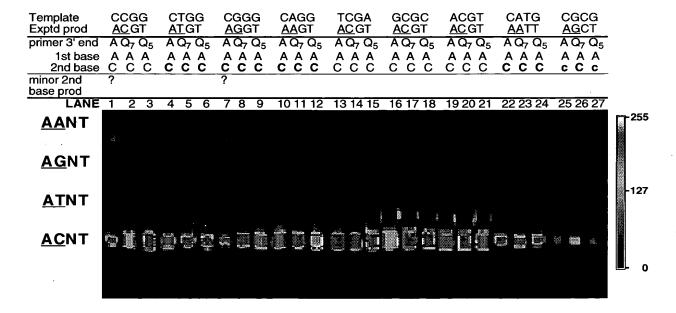
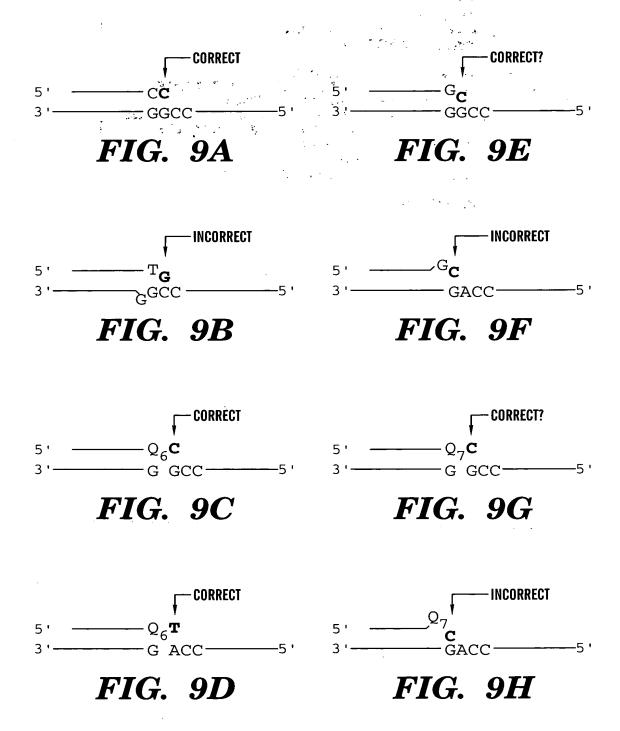


FIG. 8B







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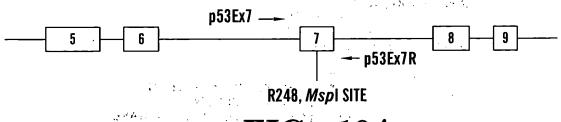
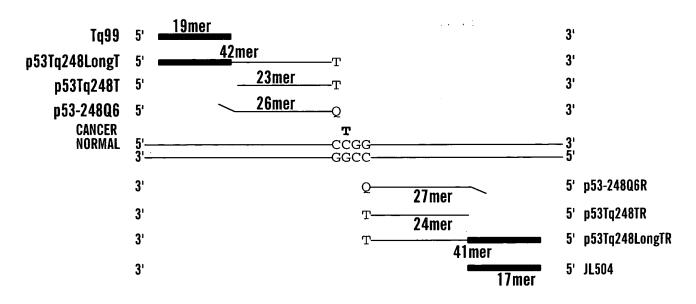
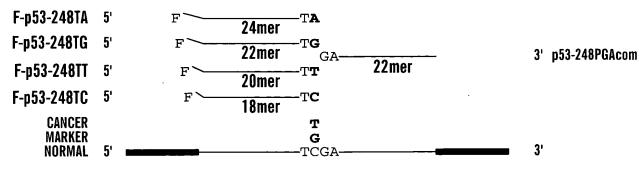


FIG. 10A



## FIG. 10B



CODON 248 CONVERTED TO A Taq I SITE

FIG. 10C

MspI (CCGG) codon 248

င္ဗ ATG 35 ည္ည CGI CAT ACG CAT ACG GII GII G g CTT GGA GGA E

A -- pol ည္တ မ္ပ ATG ည္ည ည္ည 탕

7CC 666 ජ :

5 ... GT

ဗ္ဗု TAC TTG ပ္ပ වු TAC AGC AGG

TAG TAG TGT ... 5

TAG GAG TGG

 $\widehat{\pm}$ 

ACA

ATC ATC CTC ACC ATC GGC GGC ATG AAC CGG AGG CCC TGC ATG ည္ည

AAC

TCA

999

GCT

ACC

TCA AAC

TGC ACC GCT GGG

TAG

TAG

<u> 1</u>66

TAG GAG TAG GAG

999 0 po] — GG

គួ

TAG

TAG

7GG

p53-248shortR

p53zip248shortR

ATG A

ည္တ

PRIMERS

Ztop

P53zip248short

P53-248short

p53 exon 7

PCR product

(MK not shown)

Zbot

O P E 70/19	
JAN 25 2005 E	
THADEAN	

													G	Ċ	
													AAC	AAC	
													TCA	TCA	
													999	999	
							<u>-</u>		<u>+</u>				GCT	GCT	•
						-	ഹ		-~				ACC	ACC	
					٠,٠		TGT		ACA	••	TCTT	23	1 <u>G</u> C	ပ	
	1	· .					TAG		ATC	$\equiv$	TAG	TAG	TAG		
				٠			TAG		ATC	$\equiv$	TAG	TAG	TAG		
							, TGG	<b>:</b> . •	ACC	=	TGG	. TGG	TGG		
							GAG		CIC	=	GAG	GAG	GAG		
							TAG		ATC	$\equiv$	TAG	TAG	TAG		
_							999		ည္ဟ	=	999	999	999		
MspI (CCGG)	248				7,		J2		AGG	=	JCC	JC	JCC		
ŭ	u-	-			AAQ pol		႘ၟ႞		옔	••	$pol-0_6$	E	E		
IďSj	coq		AAT	AAT	AAQ,	· =	TIG		AAC C		pol-				
Z			ATG	ATG	ATG	=	TAC		ATG						
			9	ည္ပ	ည္ပ		ည		ည္ဟ						
			ည္ဟ	ည္ပ	ည္ပ	=	වූ		299						
			ATG	ATG	ATG	=	TAC		ATG						
			7 <u>3</u> 2	වු	ည္ည	=	AGC		<u> 1</u> 360						
			ŢĊĊ	ည္ည	ည္	=	AGG		JC						
		ບ	CGI	5	TTCT		S		EJ						
		ACG	ACG			_	m		-2						
		CAT	CAT												
		GTT	GTT												
		CGA	CGA												
		GGA	GGA												
			CIII				ပ္								
	ΩI			<u></u>	92		cheti	1, 01	ιţ	)6R		魠	魠		
	PRIMERS		p248'.	q248.	P53Taq248Q6		50 bp synthetic	duplex DNA, or	PCR product	P53Taq248Q6R		p53Taq248TR	p53zip248TR		
	RII	top	53zi	53Та	53Та		0 2 2	luple	CR p	53Та		,53Ta	53zi	Zbot	
	MI	2	L	ш	111		מי	.0	ш	[,L,		<u>; 2,</u>	μ	2	

# FIG. 11B

17/19



							AT - block	٠.	TGA	
	*			٠			AT.	=	TAG	
							ATC	= :	TAG	
				. <b>"</b>		٠	ACC	$\stackrel{\cdot}{=}$	1GG	
NO							CTC	$\equiv$	GAG	
COMMON							ATC	$\equiv$	TAG	
					<i>jase</i>		ည္ဟ	=	999	
		٠			lig		AGG	$\equiv$	JCC	
	<b>ပ</b> ၊	ΚI	ଠା	EH	$\frac{c}{7}$ ligase	-	8	=	NGG	
	$AA\underline{\underline{1}}$	AAC	AAC	AAC	AAC			$\equiv$	TTG	•
N	ATG	ATG	ATG	ATG	ATG			$\equiv$	TAC	
ATIC	299	299	၁၅၅	299	299			=	9))	
DISCRIMINATION	299	299	299	299	299			=	9)))	
CRII		ATG	ATG	ATG	ATG			=	TAC	
DIS	$\aleph$		$\aleph$	ည္ပ	ပ္ပ			=	ACG	
-	F-AAAAAAA GC ATG	F-AAAAAA GC	F-AAAA	F-AA	ᄄ				AGG	
	-AAAA	F-AA	দ						GCA	
	ĽΉ							ਰੇ		
								(- strand)	GTA TGC	
									:	
S	_							ž.		
LDR PRIMERS	P53LDR248FTCL	P53LDR248FCA	P53LDR248FCG	P53LDR248FCT	P53LDR248FCC		P53LDR248PGG		CONVERSION	PRODUCTS

# FIG. 11C



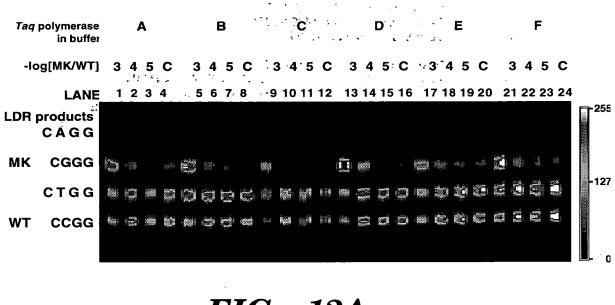


FIG. 12A

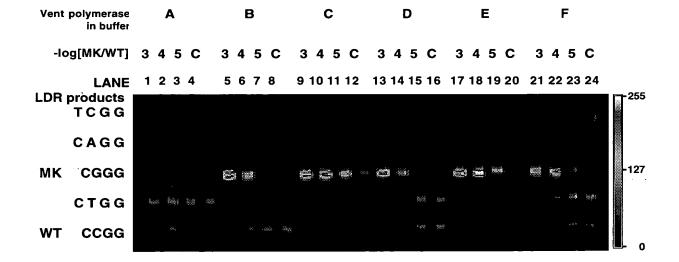


FIG. 12B



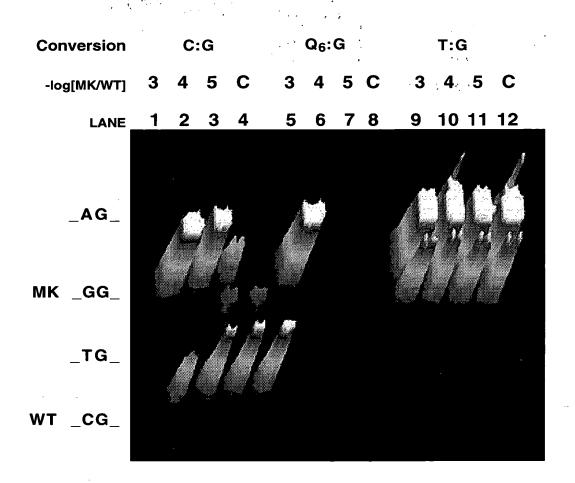


FIG. 13

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